

## CRF Errors Corrected by th STIC Systems Branch

257c  
0503 O/P/E

Serial Numb r: 09/887,552A

CRF Processing Date:

5/22/2002

Edited by:

Verified by:

(STIC staff) #8

ENTERED

Changed a file from non-ASCII to ASCII.

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:  
  
 Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:  
  
 Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:  
  
 Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:  
  
 Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.  
  
 Inserted colons after headings/subheadings. Headings edited included:  
  
 Deleted extra, invalid, headings used by an applicant, specifically:  
  
 Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_.

Inserted mandatory headings, specifically: \_\_\_\_\_.

Corrected an obvious error in the response, specifically: \_\_\_\_\_.

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_.

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_.

Other:  
  
\_\_\_\_\_  
  
\_\_\_\_\_

\*Examiner: The-abov corrections must b communicated to th applicant in the first Offic Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING DATE: 05/22/2002  
PATENT APPLICATION: US/09/887,552A TIME: 17:15:50

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\05222002\I887552A.raw

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/887,552A

DATE: 05/22/2002  
TIME: 17:15:50

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\05222002\I887552A.raw

58 ttctcagctg gcctcaaaat cacaatgg ctggggatga ttttaaactc ctgatccat 1200  
 59 tccttagtgc tggattaca gacatgtcc ataanacata gctccccaga gatattttaa 1260  
 W-> 60 aagagattt gcatgttca aagttgcct tgagactca aaatattttg atntatttga 1320  
 61 tggcccttgc acatgtgg gagggcagg gcttggc ccaagtatattt tttttttgtt 1380  
 62 cttccagaat tctccatcatg aatgttttc tgttgttat ctgcgttg aagaaggaa 1440  
 63 gtgaaggatc tttaaactat ttacacgttg aaggggctca ggcaacttaga accaaacctt 1500  
 64 tcccgaaata tgagggaaaat acatgttca aatggggatca aatggggatca 1560  
 65 aacgcattaa gtttccaaatg acatgttgc ttatgttgg aacaaatctg gtatataag 1620  
 66 gaaatcttct actctgtatgc ttttgaatct tctagcaatg taggtttcta tgttttggct 1680  
 67 tttcccttatt gtctaaatgt atgtgtgaca aattcaacat gacaaatacc tcaatggcaa 1740  
 68 attctgacc tgg 1752  
 70 <210> SEQ ID NO: 2  
 71 <211> LENGTH: 272  
 72 <212> TYPE: PRT  
 73 <213> ORGANISM: Mus musculus  
 75 <400> SEQUENCE: 2  
 76 Met His Leu Leu Leu Val Gln Leu Leu Val Leu Leu Pro Leu Gly Lys  
 77 1 5 10 15  
 78 Ala Asp Leu Cys Val Asp Gly Cys Gln Ser Gln Gly Ser Leu Ser Phe  
 79 20 25 30  
 80 Pro Leu Leu Glu Arg Gly Arg Asp Leu His Val Ala Asn His Glu  
 81 35 40 45  
 82 Glu Ala Glu Asp Lys Pro Asp Leu Phe Val Ala Val Pro His Leu Met  
 83 50 55 60  
 84 Gly Thr Ser Leu Ala Gly Glu Gly Gln Arg Gln Arg Gly Lys Met Leu  
 85 65 70 75 80  
 86 Ser Arg Leu Gly Arg Phe Trp Lys Lys Pro Glu Thr Glu Phe Tyr Pro  
 87 85 90 95  
 88 Pro Arg Asp Val Glu Ser Asp His Val Ser Ser Gly Met Gln Ala Val  
 89 100 105 110  
 90 Thr Gln Pro Ala Asp Gly Arg Lys Val Glu Arg Ser Pro Leu Gln Glu  
 91 115 120 125  
 92 Glu Ala Lys Arg Phe Trp His Arg Phe Met Phe Arg Lys Gly Ala Pro  
 93 130 135 140  
 94 Phe Gln Gly Val Ile Leu Pro Ile Lys Ser His Glu Val His Trp Glu  
 95 145 150 155 160  
 96 Thr Cys Arg Thr Val Pro Phe Asn Gln Thr Ile Ala His Glu Asp Cys  
 97 165 170 175  
 98 Gln Lys Val Val Val Gln Asn Asn Leu Cys Phe Gly Lys Cys Ser Ser  
 99 180 185 190  
 100 Ile Arg Phe Pro Gly Glu Gly Ala Asp Ala His Ser Phe Cys Ser His  
 101 195 200 205  
 102 Cys Ser Pro Thr Lys Phe Thr Thr Val His Leu Met Leu Asn Cys Thr  
 103 210 215 220  
 104 Ser Pro Thr Pro Val Val Lys Met Val Met Gln Val Glu Glu Cys Gln  
 105 225 230 235 240  
 106 Cys Met Val Lys Thr Glu Arg Gly Glu Glu Arg Leu Leu Ala Gly  
 107 245 250 255  
 108 Ser Gln Gly Ser Phe Ile Pro Gly Leu Pro Ala Ser Lys Thr Asn Pro

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/887,552A

DATE: 05/22/2002  
TIME: 17:15:50

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\05222002\I887552A.raw

109	260	265	270
112 <210> SEQ ID NO: 3			
113 <211> LENGTH: 200			
114 <212> TYPE: DNA			
115 <213> ORGANISM: Artificial Sequence			
117 <220> FEATURE:			
118 <223> OTHER INFORMATION: Targeting vector			
120 <400> SEQUENCE: 3			
121 tccatctgtg aatctaact cagtcctctgg gaatcaggaa gcatgcatact cctcttagtt 60			
122 cagctgcctg ttctcttgcc tctggggaaag gcagaccttat gtgtggatgg ctgccagagt 120			
123 cagggtctt tattcctttc tctcccaagaat aggggtcgca gagatctcca cgtggccaac 180			
124 caeagggagg cagaagacaa			200
126 <210> SEQ ID NO: 4			
127 <211> LENGTH: 200			
128 <212> TYPE: DNA			
129 <213> ORGANISM: Artificial Sequence			
131 <220> FEATURE:			
132 <223> OTHER INFORMATION: Targeting vector			
134 <400> SEQUENCE: 4			
135 cctgcccattt aaaggccacg aagtacactg ggagacctgc aggactgtgc cttcaacca 60			
136 ggtatgcattt cttagggta aaccaccaat ttgccagaca gggaggacag ctggacagct 120			
137 aggacaaaacg gcaaaataga aagagtctgg cgagagctcg ggccttgtct agttccagat 180			
138 tcagtccttt gggtattcat			200

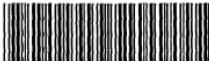
RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 05/22/2002  
PATENT APPLICATION: US/09/887,552A                    TIME: 17:15:51

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\05222002\I887552A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1235,1313



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/887,552A

DATE: 05/13/2002  
TIME: 16:48:26

Input Set : A\R-67 Sequence listing for submission.txt  
Output Set: N:\CRF3\05132002\I887552A.raw

4 <110> APPLICANT: Brennan, Thomas J.  
5 Leviten, Michael W.  
7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CERBERUS GENE  
8 DISRUPTIONS  
10 <130> FILE REFERENCE: R-67  
12 <140> CURRENT APPLICATION NUMBER: US 09/887,552A  
C--> 13 <141> CURRENT FILING DATE: 2002-04-30  
15 <150> PRIOR APPLICATION NUMBER: US 60/213,670  
16 <151> PRIOR FILING DATE: 2000-06-21  
18 <150> PRIOR APPLICATION NUMBER: US 60/266,046  
19 <151> PRIOR FILING DATE: 2001-02-01  
21 <150> PRIOR APPLICATION NUMBER: US 60/282,668  
22 <151> PRIOR FILING DATE: 2001-04-09  
24 <160> NUMBER OF SEQ ID NOS: 4  
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0

*Does Not Comply  
Corrected Diskette Needed*

## ERRORED SEQUENCES

126 <210> SEQ ID NO: 4  
127 <211> LENGTH: 200  
128 <212> TYPE: DNA  
129 <213> ORGANISM: Artificial Sequence  
131 <220> FEATURE:  
132 <223> OTHER INFORMATION: Targeting vector  
134 <400> SEQUENCE: 4  
135 cctggccatc aaaagccacg aagtacactg ggagacctgc aggactgtgc cttcaaccca 60  
136 ggtatgcatt cttagggta aaccaccagg ttgccagaca gggaggacag ctggacagct 120  
137 aggacaaaacg gcaaaataga aagagtctgg cgagagctcg ggccttgct agtccagat 180  
138 tcagtcctt gggattcat  
E--> 142 (1)

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/887,552A

DATE: 05/13/2002  
TIME: 16:48:27

Input Set : A:\R-67 Sequence listing for submission.txt  
Output Set: N:\CRF3\05132002\I887552A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#1 after pos.:1200  
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#1 after pos.:1260  
L:142 M:254 E: No. of Bases conflict, this line has no nucleotides.